SEQUENCE LISTING

<110> Crane, Edmund H. Crane, Virginia C. <120> Maize Pathogenesis-Related Polynucleotide and Methods of Use <130> 35718/214291 <150> US 60/195,801 <151> 2000-04-10 <160> 3 <170> FastSEQ for Windows Version 4.0 <210> 1 <211> 898 <212> DNA <213> Zea mays <220> <221> CDS <222> (63)...(674) <400> 1 ctcgcacgca ctcgacgctc attcactgag ccatttactc agatcaccaa ctccagatct 60 ca atg gcg cac tcg cgc agc cac cac ctc ctc ctg ctc ccc gcg 107 Met Ala His Ser Arg Ser His His His Leu Leu Leu Pro Ala ccc atg gcc acg gcg tgc ttg ctc ctc gcc acc ctc ctc gcg ctc tgc 155 Pro Met Ala Thr Ala Cys Leu Leu Leu Ala Thr Leu Leu Ala Leu Cys gee geg eeg geg eeg ace eac gge geg ege gte ete atg eeg gge gge 203 Ala Ala Pro Ala Pro Thr His Gly Ala Arg Val Leu Met Pro Gly Gly 35 gcg ggc gcg gtg acc aag gcg cag cag ggt ggc acc ggc agc ggc agc 251 Ala Gly Ala Val Thr Lys Ala Gln Gln Gly Gly Thr Gly Ser Gly Ser aac gcg acg gcg gac gag tac ctg gcg ccg cac aac cag gcg cgc gcg 299 Asn Ala Thr Ala Asp Glu Tyr Leu Ala Pro His Asn Gln Ala Arg Ala 65 70 gcg gtg ggc gtg gcc ccg ctg cgg tgg aac gcg ggc ctg gct tcg gcg 347 Ala Val Gly Val Ala Pro Leu Arg Trp Asn Ala Gly Leu Ala Ser Ala 80 gcc gcg ggg acg gtg gcg cag cag cgg cgg cag ggc ggg tgc gcg ttc 395 Ala Ala Gly Thr Val Ala Gln Gln Arg Arg Gln Gly Gly Cys Ala Phe 105

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tac Tyr	c cgc Arg	gcg Ala 130	ı Arg	ecc Pro	gcc Ala	gag Glu	gtg Val 135	. Val	g gcg . Ala	g ctg Lev	g tgg ı Tr <u>r</u>	g gtg Val 140	. Ala	g gag a Glu	r Gl ^A A aaa	491
cgg Arg	tac Tyr 145	Tyr	acc Thr	cac His	gcc	aac Asn 150	Asn	acg Thr	j tgo Cys	gcc Ala	gcg Ala 155	Gly	g cgg Arg	g cag g Glr	g tgc 1 Cys	539
ggc Gly 160	Thr	tac Tyr	acg Thr	cag Gln	gtg Val 165	Val	tgg Trp	cgc Arg	aac Asn	acc Thr 170	Ala	gag Glu	gto Val	ggg Gly	tgc Cys 175	587
gcg Ala	cag Gln	gcc	agc Ser	tgc Cys 180	gcc Ala	acg Thr	ggc Gly	gcc Ala	acg Thr 185	Leu	acg Thr	ctc Leu	tgc Cys	ctg Leu 190	tac Tyr	635
aac Asn	ccg Pro	cac His	ggc Gly 195	aac Asn	gtg Val	cag Gln	ggc Gly	cag Gln 200	Ser	ccc Pro	tac Tyr	tag *	cta	ıgctg	agg	684
tct aaa <21	ccag	gtt aaa	gttg	tagt acaa	tc g	gtcad	egga: ggtt	a ag t gg	gctg tqta	tttt	ata	atat.	αat.	adaa	gtaggt tggtgt taaaaa	744 804 864 898
	2> P) 3> Ze		ays													
	0> 2 Ala	His	Ser	Arg 5	Ser	His	His	His	Leu 10	Leu	Leu	Leu	Pro	Ala 15	Pro	
			20					25					20	Cys		
Ala	Pro	Ala 35	Pro	Thr	His	Gly	Ala 40	Arg	Val	Leu	Met	Pro 45	Gly	Gly	Ala	
Gly	Ala 50	Val	Thr	Lys	Ala	Gln 55	Gln	Gly	Gly	Thr	Gly 60	Ser	Gly	Ser	Asn	
05					70					75	Gln			Ala	0.0	
Val	Gly	Val	Ala	Pro 85	Leu	Arg	Trp	Asn	Ala 90	Gly	Leu	Ala	Ser	Ala 95	Ala	
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Tyr 145	Tyr	Thr	His	Ala	Asn 150		Thr	Cys	Ala	Ala 155	Gly	Arg	Gln	Cys		
Thr	Tyr	Thr	Gln			Trp	Arg	Asn	Thr 170	Ala	Glu	Val	Gly	Cys 175	160 Ala	
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Glr	n Ala	Sei	Cys	s Ala	Thr	Gly	⁄ Ala	Thr		ı Thr	Leu	Cys			Asn	
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atg Met	gcc Ala	acg Thr	gcg Ala 20	Cys	ttg Leu	ctc Leu	ctc Leu	gcc Ala 25	Thr	ctc Leu	ctc Leu	gcg Ala	ctc Leu 30	tgc Cys	gcc Ala	96
gcg Ala	ccg Pro	gcg Ala 35	ccg Pro	acc Thr	cac His	ggc Gly	gcg Ala 40	cgc Arg	gtc Val	ctc Leu	atg Met	ccg Pro 45	ggc	ggc	gcg Ala	144
gly aac	gcg Ala 50	gtg Val	acc Thr	aag Lys	gcg Ala	cag Gln 55	cag Gln	ggt Gly	ggc Gly	acc Thr	ggc Gly 60	agc Ser	ggc Gly	agc Ser	aac Asn	192
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gtg Val	ggc Gly	gtg Val	gcc Ala	ccg Pro 85	ctg Leu	cgg Arg	tgg Trp	aac Asn	gcg Ala 90	ggc Gly	ctg Leu	gct Ala	tcg Ser	gcg Ala 95	gcc Ala	288
gcg Ala	Gly 999	acg Thr	gtg Val 100	gcg Ala	cag Gln	cag Gln	cgg Arg	cgg Arg 105	cag Gln	ggc Gly	Gly aaa	tgc Cys	gcg Ala 110	ttc Phe	gcg Ala	336
gac Asp	gtg Val	999 Gly 115	gcc Ala	agc Ser	ccc Pro	tac Tyr	ggc Gly 120	gcg Ala	aac Asn	cag Gln	Gly 999	tgg Trp 125	gcg Ala	agc Ser	tac Tyr	384
cgc Arg	gcg Ala 130	cgc Arg	ccc Pro	gcc Ala	gag Glu	gtg Val 135	gtg Val	gcg Ala	ctg Leu	tgg Trp	gtg Val 140	gcg Ala	gag Glu	gly aaa	cgg Arg	432
tac Tyr 145	tac Tyr	acc Thr	cac His	gcc Ala	aac Asn 150	aac Asn	acg Thr	tgc Cys	gcc Ala	gcg Ala 155	ggg Gly	cgg Arg	cag Gln	tgc Cys	ggc Gly 160	480
acg Thr	tac Tyr	acg Thr	cag Gln	gtg Val	gtg Val	tgg Trp	cgc Arg	aac Asn	acc Thr	gcc Ala	gag Glu	gtc Val	Gly 999	tgc Cys	gcg Ala	528

170 175 cag gcc agc tgc gcc acg gcc acg ctc acg ctc tgc ctg tac aac 576 Gln Ala Ser Cys Ala Thr Gly Ala Thr Leu Thr Leu Cys Leu Tyr Asn 180 185 190 ccg cac ggc aac gtg cag ggc cag agc ccc tac tag 612 Pro His Gly Asn Val Gln Gly Gln Ser Pro Tyr * 195

165